

Patricia Lewis
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#10/response
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Jussi LEMILÄINEN *et al.*

Application No.

09/303,424

Filed

May 3, 1999

For:

SIM-BASED AUTHENTICATION AS PAYMENT
METHOD IN PUBLIC ISP ACCESS NETWORKS

Group Art Unit

2161

Examiner:

M. Tesfamariam

JUL 15 2002
Technology Center 2100

RESPONSE

Assistant Commissioner of Patents
Washington, D.C. 20231

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JUL 17 2002
GROUP 3600

Sir:

This is in response to the second non-final Office Action of March 14, 2002.

REMARKS

The invention is a method of obtaining connection to a packet data network and a system. In accordance with the invention, a user 12 inputs a request to a first network 10 which requests that the user be authorized for connection to the packet data network 14 through a second work 16. The user request and an authorization of payment is transmitted from the first network 10 to the second network 16 to pay for user's access to the packet data network 14. Network authentication information, which may be a unique random number RAND, a signed response RES, and a cipher key Kc, is used to grant the user authentication to obtain connection through the second network 16 to packet data network 14. The authentication information is transmitted from the first network 10 to the user 12 which informs the user that authentication to obtain connection to the packet data network 16 has been obtained. Furthermore, as illustrated in Fig. 2, the second network debits from a stored value of service units, which have been granted to the user, a